ARGONNE
NATIONAL
LABORATORY

INTRA-LABORATORY MEMO

October 29, 2003

TO: J. Behrndt, J. Carwardine, R. Emerson, M. Fagan, N. Friedman, P.
           McNamara, V. Nguyen, J. Servino, S. Ross

SUBJECT: Generation-3 Meeting

Absent: J. Behrndt

- Mike Fagan
    - The latest version of the Requirements Document was sent out on
      Monday. Some of the new things that has been added:
        - Definitions
            - Mike asked for more input on definitions that he may have
              missed.
        - Interfaces
            - Interface chain, DIW

- There was a discussion regarding the "Function" section of the document. It was
  decided to rename that section "System Requirements Doc".

- The ICD interface document entries need to be consistent with the Statement of
  Work.

- The structure related to IEEE, needs to reflect what we are doing, it has to cover our
  needs.

- Some of the following functions were added to the Requirements Document. Please
  let Mike know of ones he may of forgot.
    - Challenge detection against Chain C
    - Fault Detection
    - Invalid Access
    - Search/Secure
    - C/C access control

- Roy suggested removing section 2.4 or changing it to Required Functions.

- Roy also suggested getting rid of 2.12 – 2.18.

- Steve has the ICD for DIW, but the document needs to be reformatted.

- FEEPS ICD needs to be updated.

- Roy is going to get the W.B.S numbers. The following should be included on the signature sheet:

    - John Carwardine, SI Group Leader, Mohan Ramanathan, Chair of Committee, Radiation Safety Chair, John Servino, Nick Friedman, John Forrestal and Jon Hawkins.

- Steve Ross
    - Schematic (except mapping spares) is growing
        - Steve suggested dropping the second front end shutter. The committee decided that it was a good idea.
        - Steve requested from the committee to find out the following items:
            - Version 1: How many amps does field use.
            - Version 1: Scope trace of strobes, what current are we fusing at.
            - If fusing, what are we fusing to.
            - Box between Front End Shutter
            - Steve would like everyone to think about putting the FERDP on the front of the PSS rack instead of the back.
- Most of the components have been picked out.

- We will go over the 15u next week.

- Coding should begin three weeks from now (Approximately November 24, 2003).

- Need to change the mandate of SAD to reflect Generation-3 Chain B as Ladder Logic removing the reference to State Logic.